



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

90830-1

Date of Issuance:

8/8/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

ZOONO Z-91 MICROBE SHIELD

Name and Address of Registrant (include ZIP Code):

Erik Janus
Agent
Zoono Holdings, USA
Electronic Submittal: ejanus@Steptoe.com

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Kathryn V. Montague
Senior Regulatory Advisor
Antimicrobials Division, 7510P
US EPA

Date:

8/8/22

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. ADBAC GDCI: 069106-30883; 069106-1740
 - b. Hydrogen Peroxide GDCI: 000595-1127
 - c. Trimethoxysilyl Quats: 107401-1635

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 90830-1.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 7/19/2022
- Alternate CSF 1-3 dated 7/19/2022

If you have any questions, you may contact Joseph Daniels at (703) 347- 8669 or via email at Daniels.joseph@epa.gov.

Enclosure

August 8, 2022

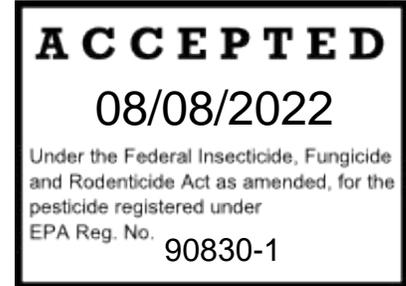
Zoono[®] Z-91 MICROBE SHIELD

DISINFECTANT and CLEANER

DOMESTIC, HOSPITAL AND COMMERCIAL USE

VIRUCIDE*
BACTERICIDE

KILLS BACTERIA and VIRUSES*



ACTIVE INGREDIENTS:

3-(trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride	0.50%
Alkyl (67% C12, 25% C14, 7% C16, 1% C18) dimethyl benzyl ammonium chloride..	0.50%
Hydrogen peroxide	0.50%
<u>INERT INGREDIENTS</u>	<u>98.50%</u>
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER

READ THE LABEL BEFORE USING

[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]

FIRST AID

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

August 8, 2022

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the poison control center 1-800-222-1222. For general information on product use, call the National Pesticides Information Center at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

PRECAUTIONARY STATEMENTS:

Hazardous to Humans and Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in skin, eyes or clothing. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing (coveralls), and chemical-resistant gloves. Harmful if swallowed, absorbed through the skin or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Manufactured by:
Zoono Holdings USA
www.zoono.com

Distributed by:
Zoono Holdings USA

NET _____ L/mL

EPA Registration No. 90830-xx EPA Establishment No. 66428-SC-001

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

INSTITUTIONAL APPLICATIONS

(Office, Schools, Senior Citizens Residential Care Facilities, Industrial and Commercial settings)

Zoono® Z-91 MICROBE SHIELD is an easy to use, multipurpose disinfectant that kills viruses* and bacteria. It eliminates odor-causing mold and bacteria, controls mold and is effective on a range of hard non-porous, non-food contact surfaces such as floors, walls, countertops, etc. Zoono® Z-91 MICROBE SHIELD disinfectant is effective inside or outside offices, schools, industrial facilities and commercial areas on finished surfaces.

Use Zoono® Z-91 MICROBE SHIELD disinfectant on hard, non-porous, non-food contact surfaces in commercial and industrial buildings and facilities, in vehicles, on areas such as counter-tops, tables, furniture, cabinets, appliances, kitchen and bathroom fixtures, hardware, and other hard non-porous, non-food contact surfaces such as floors, tabletops, benchtops, drain troughs, drip pans, desks, locker room benches, and hard, non-porous bath mats (e.g., rubber or plastic). This product is for use in office buildings, institutions such as schools, public buildings, child-care facilities, day-care centers, nursing homes, churches, and correctional facilities, warehouses, manufacturing facilities, hotels and motels, retail business, and athletic and recreational facilities.

This product is a "ready-to-use" liquid, it is to be used at full strength and should not be diluted before use. Pre-clean soiled surfaces with Zoono® ZAM Surface Preparation Cleaner prior to application of Zoono® Z-91 MICROBE SHIELD.

1. Pre-clean all visibly soiled surfaces.
2. Spray Zoono® Z-91 MICROBE SHIELD disinfectant onto hard, non-porous inanimate surfaces to wet all surfaces thoroughly.
3. Ensure surface remains visibly wet for a minimum contact time of 10 minutes.
4. Allow to air dry

Microorganism	ATCC Number
<i>Pseudomonas aeruginosa</i>	15442
<i>Salmonella enterica</i>	10708
<i>Staphylococcus aureus</i>	6538
*Human adenovirus type 5, Strain Adenoid 75	VR-5

HEALTHCARE FACILITIES

Zoono® Z-91 MICROBE SHIELD disinfectant is for use on hard non-porous, non-food contact surfaces in hospitals, nursing homes, medical and dental offices and clinics,

operating rooms, isolation wards, and medical research facilities. This product is a "ready-to-use" liquid, and it is to be used at full strength and is not to be diluted before use.

Zoono® Z-91 MICROBE SHIELD disinfectant is proven effective against bacteria and viruses* when used according to the directions on this label. Pre-clean soiled surfaces with Zoono® ZAM Surface Preparation Cleaner prior to application of Zoono® Z-91 MICROBE SHIELD.

NOTICE TO HEALTHCARE FACILITY USER

This product is not to be used as a terminal high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

DIRECTIONS FOR USE FOR GENERAL DISINFECTION:

For hard non-porous, non-food contact work surfaces, floors and walls in patient care areas, non-porous bed frames, mattresses, etc. Pre-clean visibly soiled surfaces. Spray 6 - 8 inches from surface until visibly wet. Allow surface to remain visibly wet for 10 minutes. Allow to air dry.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION OF SURFACES and/or OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

The special cleaning instructions listed below must be followed prior to disinfection:

- a. Personal Protection: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.
- b. Cleaning Procedure: Fecal matter and body fluids must be thoroughly cleaned from surfaces and objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces. Restrooms should be cleaned last. Do not reuse soiled cloths.
- c. Infectious Materials Disposal: Materials used in the cleaning process that may contain feces/ bodily wastes are to be disposed of immediately in accordance with provincial regulations for infectious materials disposal.
- d. Disinfection: Apply Zoono® Z-91 MICROBE SHIELD disinfectant to visibly cleaned, hard non-porous, non-food contact surfaces with a coarse spray device. Spray 6-8 inches from surface. Allow to remain visibly wet for 10 minutes and allow to air dry.

Do not breathe spray mist. All treated equipment that will contact food or drinking water should be rinsed with potable water before reuse.

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RESIDENTIAL APPLICATIONS

Zoono® Z-91 MICROBE SHIELD disinfectant is an easy to use, multipurpose disinfectant that kills viruses* and bacteria. It eliminates odor-causing mold and bacteria on any hard non-porous, non-food contact surface and effectively cleans a wide range of hard non-porous, non-food contact surfaces, such as floors, walls, countertops, tables, and other furniture. This product is a "ready-to-use" liquid, and it is to be used at full strength and is not to be diluted before use. If the Zoono® Z-91 MICROBE SHIELD disinfectant becomes soiled (i.e., is not visibly clear) or diluted, replace and use fresh Zoono® Z-91 MICROBE SHIELD disinfectant.

Zoono® Z-91 MICROBE SHIELD disinfectant is also effective inside or outside homes, cars, boats, recreational vehicles and on drywall, plaster, finished wood, plastic, stone, concrete or tile.

Pre-clean soiled surfaces with Zoono® ZAM Surface Preparation Cleaner prior to application of Zoono® Z-91 MICROBE SHIELD.

1. Pre-clean all visibly soiled surfaces.
2. Spray Zoono® Z-91 MICROBE SHIELD disinfectant onto hard, non-porous inanimate surfaces to wet all surfaces thoroughly.
3. Ensure surface remains visibly wet for a minimum contact time of 10 minutes.
4. Allow to air dry

Microorganism	ATCC Number
<i>Pseudomonas aeruginosa</i>	15442
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ANIMAL HOUSING FACILITIES AND VETERINARY FACILITIES

Zoono® Z-91 MICROBE SHIELD disinfectant is recommended for use on hard non-porous, non-food contact surfaces such as floors, walls, troughs, racks, appliances, and processing equipment in animal housing facilities, kennels, animal hospitals, animal laboratories, zoos, animal housing areas of pet stores and pet spas, pet animal quarters, and livestock quarters.

For visibly soiled surfaces, a pre-cleaning step is required.

Remove all animals and feed from premises, vehicles, and enclosures.

Remove all visible soil such as litter, manure, urine and fecal matter from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.

Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water.

DIRECTIONS FOR USE: Apply Zoono® Z-91 MICROBE SHIELD disinfectant with a topical spray trigger or spray applicator device. Ensure surface remains visibly wet for a minimum contact time of 10 minutes. Allow to air dry.

For cleaning, immerse in Zoono® Z-91 MICROBE SHIELD disinfectant, all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Allow to air dry.

Microorganism	ATCC Number
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<i>Staphylococcus aureus</i>	6538
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GENERAL CLEANING DIRECTIONS

Cleaning Solution: Use Zoono® Z-91 MICROBE SHIELD for cleaning of all hard non-porous, non-food contact surfaces – such as kitchen counters, tables, walls, bathrooms, toilet seats, mopping floors, and large routine applications.

Apply Zoono® Z-91 MICROBE SHIELD to hard non-porous, non-food contact surfaces. Apply using a cloth, mop, sponge, or sprayer. Wipe or allow to air dry.

{Residential Containers}

STORAGE AND DISPOSAL

Nonrefillable container. Store in original container in areas inaccessible to small children. Keep securely closed. Do not reuse or refill this container. Place [container] in trash or offer for recycling if available.

{Institutional Containers}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in areas inaccessible to children. Keep securely closed.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container according to label directions. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse (or equivalent). Follow pesticide disposal instructions for rinsate. Then discard in trash or offer for recycling, if available.